



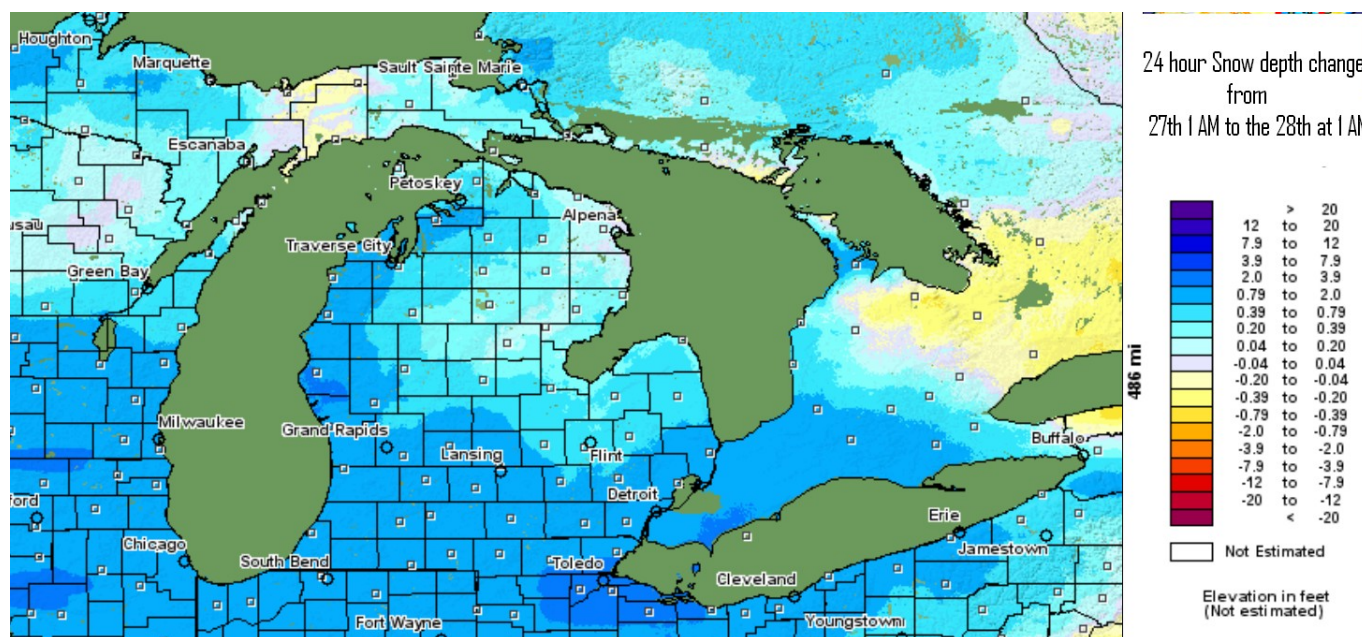
National Weather Service Grand Rapids Event Summary

Clipper Low brings quick blast of snow to the Muskegon Area

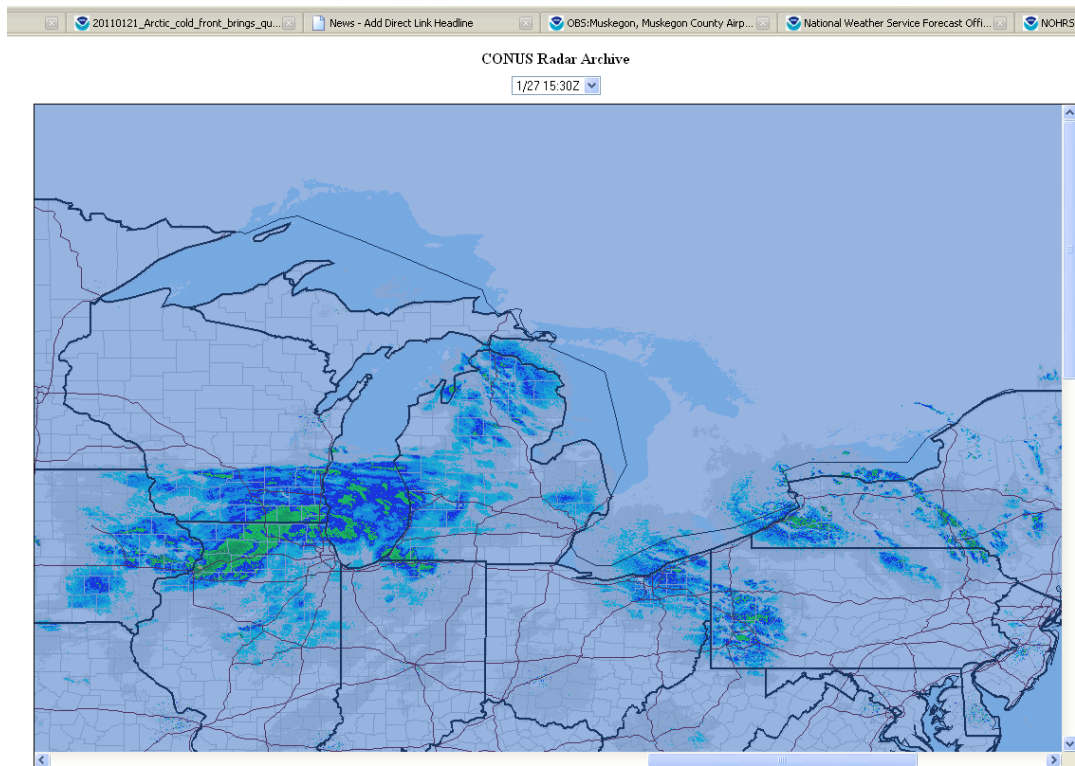
01/27/11

Overview

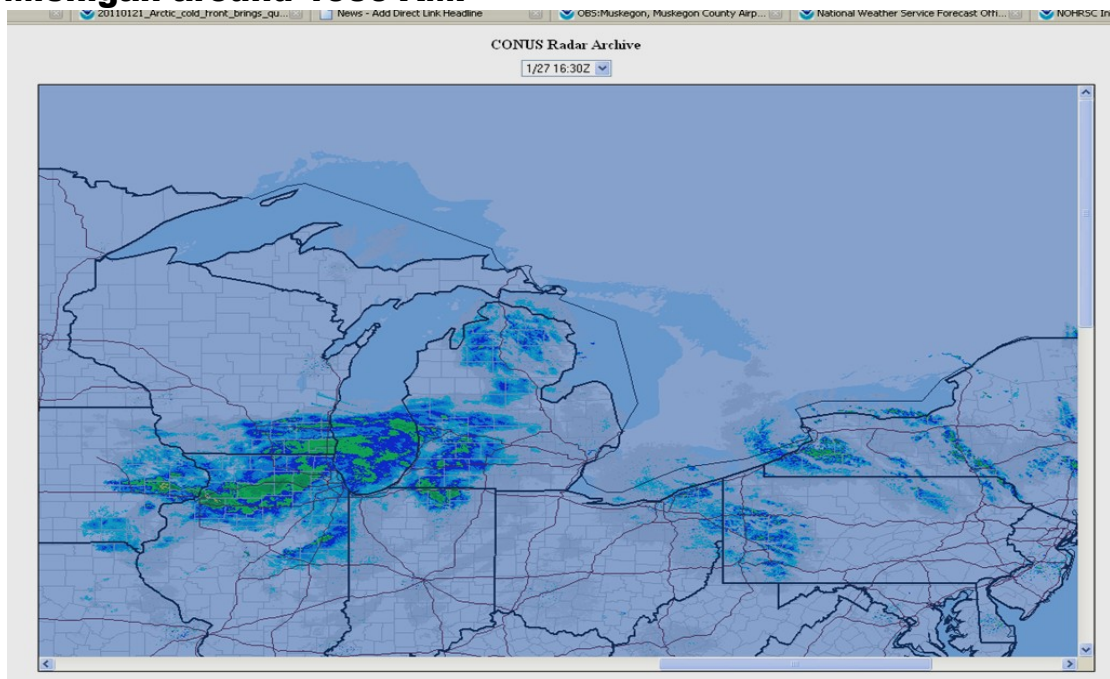
A quick moving Alberta Clipper system tracked across Lake Superior Thursday. That brought a surge of warmer and moist air off Lake Michigan which locally enhanced the otherwise lighter regional snowfall of 1 to 2 inches to create a small area near Muskegon of 3 to 5 inches. The heavy snow burst began just after 8 AM and continued until around 1 PM. Snowfall rates were between a half and one inch per hour.



24 Hour Snow fall estimated from snow depth change between 1 AM on the 27th and 1 AM on the 28th.



The image above shows the radar view of snow as it moved into Southwest Michigan around 1030 AM.

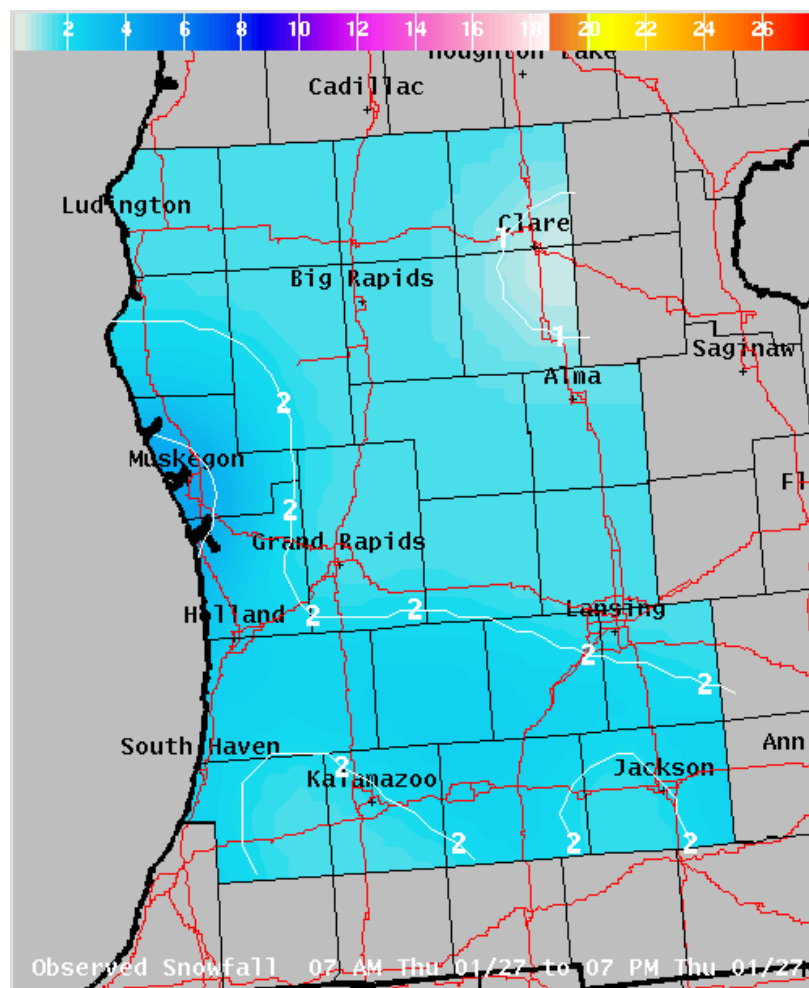


The image above shows the radar view of snow as moving across Southwest Michigan around 1130 AM.

Below are the storm reports from this event:

It can be seen in the radar images above how the enhanced snow stayed around the Muskegon area while the snow field moved east across the area. That was due to the southwest low level winds locally enhancing the snowfall.

Most locations on the map above had between 0.8 inches and 2 inches of snow. However you can see around Muskegon there was small area of 2 to 4 inches. This was due to the southwest low level wind flow off Lake Michigan enhancing the snowfall. The map below shows a more detailed view of the storm total snowfall.



Storm Total Snowfall from 7 AM through 7 PM on January 27th 2011

PRELIMINARY LOCAL STORM REPORT...SUMMARY
 NATIONAL WEATHER SERVICE GRAND RAPIDS MI
 609 PM EST THU JAN 27 2011

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
0135 PM	SNOW	4 SSE MUSKEGON	43.17N 86.22W
01/27/2011	M3.0 INCH	MUSKEGON MI	OFFICIAL NWS OBS
MIDNIGHT TO 1245 PM.			
0227 PM	SNOW	OSHTEMO	42.26N 85.68W
01/27/2011	M1.2 INCH	KALAMAZOO MI	TRAINED SPOTTER
12 HOUR SNOWFALL ENDING AT 2 PM.			
0239 PM	SNOW	DORR	42.73N 85.72W
01/27/2011	M1.0 INCH	ALLEGAN MI	TRAINED SPOTTER
12 HOUR SNOWFALL ENDING AT 230 PM.			
0331 PM	SNOW	NORTON SHORES	43.16N 86.26W
01/27/2011	M4.6 INCH	MUSKEGON MI	TRAINED SPOTTER
18 HR SNOWFALL ENDING AT 3 PM WAS 4.6 INCHES			
0457 PM	SNOW	4 E MUSKEGON	43.23N 86.16W
01/27/2011	M4.2 INCH	MUSKEGON MI	BROADCAST MEDIA
THIS WAS A STORM TOTAL.			
0540 PM	SNOW	BATTLE CREEK	42.32N 85.19W
01/27/2011	E2.0 INCH	CALHOUN MI	PUBLIC
THIS IS A STORM TOTAL SNOWFALL.			
0540 PM	SNOW	2 NE BATH	42.84N 84.42W
01/27/2011	M1.7 INCH	CLINTON MI	PUBLIC
THE SNOW STARTED FALLING AT 10 AM THIS MORNING. THERE IS 7 INCHES OF SNOW ON THE GROUND.			
0559 PM	SNOW	6 NW JACKSON	42.31N 84.49W
01/27/2011	M2.3 INCH	JACKSON MI	PUBLIC
THE 2.3 INCHES OF SNOW HAS FALLEN DURING THE PAST 12 HOURS. THERE IS 6 INCHES OF SNOW ON THE GROUND. IT WAS STILLS SNOWING WHEN THIS OBSERVATION WAS TAKEN.			

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